

Bois d'Arc Lake
Construction Fact Sheet

FAST FACTS:

16,641
SURFACE ACRES, OR APPROXIMATELY 26 SQUARE MILES

FIRM YIELD OF
108 MILLION
GALLONS PER DAY

ESTIMATED COST OF
$1.6 BILLION

BOOST TO
LOCAL ECONOMY & RECREATIONAL OPPORTUNITIES

OWNED AND OPERATED BY
NORTH TEXAS MUNICIPAL WATER DISTRICT

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The Bois d'Arc Lake project in Fannin County will be a critical new source of water for 1.8 million North Texans served by the North Texas Municipal Water District (NTMWD). The project is needed to meet the growing water demands throughout the region, including Fannin County.

Construction on the entire $1.6 billion Bois d'Arc Lake project is a complex, multi-step process. In addition to building the dam, crews will be constructing pipelines, installing pumps, improving roads and building bridges. All of these are collectively needed to divert, carry, clean and deliver the lake water by 2022. NTMWD broke ground on the project in May of 2018, and construction is well underway.

Several components of the Bois d'Arc Lake project are being built simultaneously. Once finished, the reservoir may take 24 months or longer to fill. The exact time it will take depends on a number of variables, including the amount of rainfall after the reservoir's dam construction is complete.

Key projects and related components include:

- Reservoir dam and intake (90 feet tall, two miles long)
- Raw water pump station and 35-mile raw water pipeline
- Terminal storage reservoir and water treatment plant (initially able to treat 70 million gal/day)
- Treated water pump station and 25-mile treated water pipeline
- 1.3-mile-long bridge (6,900 feet) as well as improvements on over 11 miles of TxDOT and Fannin County roadway
- Environmental mitigation (Includes 17,000+ acres of mitigation and planting 5 million trees; over 70 miles of stream improvements)
- Lake Operations Center, maintenance facilities and recreational boat ramps

July 2021

For more information, visit www.BoisdArcLake.org

What to Expect during Construction

NTMWD and its contractors are committed to working with Fannin County, Bonham and other nearby communities as we complete this project. **Safety for workers and the community is our number one priority.**

We will mitigate noise, traffic and other construction impacts wherever possible. Construction work often involves bringing in heavy equipment and materials to our work sites. Fences, signs and other safety measures will be installed to secure areas to clearly identify our boundaries and redirect traffic as necessary.

Thank you for your patience and cooperation as we work to finish this important project in an efficient and responsible manner.

To stay informed of our activities and progress, visit **www.BoisdArcLake.org**, where you can also sign up for our **Bois d'Arc Lake Project enewsletter**.

Following is an overview of the major work activities:

Dam, Reservoir and Terminal Storage Reservoir

Contractor: Archer Western

Activities:

- Excavate and recompact over 5 million cubic yards of earth for the embankment dam.
- Construct structures (labyrinth weir, service spillway and intake) to control water flow out of the reservoir.
- Clear the reservoir footprint of vegetation, fences and existing ponds, as needed.
- Install fish habitat prior to filling the lake.
- Build the first phase of a terminal storage reservoir adjacent to the new Leonard Water Treatment Plant.

Environmental Mitigation

Contractor: RES

Activities:

- Plant 5 million trees and restore/enhance 3,200 acres of native grasslands and over 2,600 acres of forests.
- Over 8,500 acres of wetland restoration in Fannin and Lamar Counties.
- Complete over 70 miles of stream improvements on several Red River tributaries.
- Maintain and monitor the success of mitigation for up to 20 years after completion.

Raw Water Pump Station, Water Treatment Plant, Treated Water High Service Pump Station and Dam Maintenance Facility:

Contractor: Garney Construction

Activities:

- Construct raw water pump station with nine pumps in a building the size of a football field.
- Construct the Leonard Water Treatment Plant on approximately 1,000 acres of land.
- Build treated water pump station to distribute water via NTMWD's system.
- Construct dam maintenance facility.

Farm to Market 897, Fannin County Roads, Recreational Boat Ramps and Lake Office

Contractor: Austin Bridge and Road

Activities:

- Construct/improve 11 miles of state and county roads including more than six miles of FM 897 roadway and bridge.
- Build 3 recreational boat ramp areas.
- Construct the NTWMD Lake Operations Center on the south shore near FM 897.

Raw Water and Leonard to McKinney Treated Water Pipelines:

Contractor: Garney Construction

Activities:

- Construct 90-inch raw water pipeline from lake dam to the storage reservoir in Leonard.
- Construct 84-inch pipeline from Leonard to deliver treated water into NTMWD's existing regional water system.